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Instruction manual

Double Insulated Circular Saw

MODELS
324MAG and 325MAG

To learn more about Porter-Cable visit our website at:

http://www.porter-cable.com

IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

PORTER-CABLE
PROFESSIONAL POWER TOOLS

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Part No. 907836- 05-31-04

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.

⚠DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING indicates a potentially hazardous situation which, if not avoided,could result in death or serious injury.

⚠CAUTION indicates a potentially hazardous situation which, if not avoided,may result in minor or moderate injury.

CAUTION used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

⚠WARNING **Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some example of these chemicals are:**

- **lead from lead-based paints**
- **crystalline silica from bricks and cement and other masonry products**
- **arsenic and chromium from chemically-treated lumber**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

GENERAL SAFETY RULES

⚠WARNING **Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

WORK AREA

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.

3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double Insulation ⧈ eliminates the need for the three wire grounded power cord and grounded power supply system.

2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.

3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

4. Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

5. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

3. Avoid accidental starting. Be sure switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch ON invites accidents.

4. Remove adjusting keys or wrenches before turning the tool ON. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

6. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOLS USE AND CARE

1. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

2. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

3. Do not use tool if switch does not turn it ON or OFF. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

4. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

5. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

6. Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

7. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

8. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

ADDITIONAL SPECIFIC SAFETY RULES

1. ⚠DANGER Keep hands away from cutting area and blade. Keep your second hand on auxiliary handle or motor housing. If both hands are holding the saw, they cannot be cut by the blade.

2. Keep your body positioned to either side of the saw blade, but not in line with the saw blade. KICKBACK could cause the saw to jump backwards. (See "Causes and Operator Prevention of KICKBACK.")

3. Do not reach underneath the work. The guard cannot protect you from the blade below the work.

4. Check lower guard for proper closing before each use. Do not operate saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the Retracting Handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

5. Check the operation and condition of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a buildup of debris.

6. Lower guard should be retracted manually only for special cuts such as "Pocket Cuts" and "Compound Cuts." Raise lower guard by Retracting Handle. As soon as blade enters the material, lower guard must be released. For all other sawing, the lower guard should operate automatically.

7. Always observe that the lower guard is covering the blade before placing saw down on bench or floor. An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

8. NEVER hold piece being cut in your hands or across your leg. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.

9. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.

10. When ripping always use a rip fence or straight edge guide. This improves the accuracy of cut and reduces the chance for blade binding.

11. Always use blades with correct size and shape (diamond vs. round) arbor holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.

12. Never use damaged or incorrect blade washers or bolts. The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

13. Causes and Operator Prevention of Kickback:

Kickback is a sudden reaction to a pinched, bound, or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator.

- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.
- Kickback is the result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

14. Maintain a firm grip on the saw and position your body and arm in a way that allows you to resist KICKBACK forces. KICKBACK forces can be controlled by the operator, if proper precautions are taken.

15. When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or KICKBACK may occur. Investigate and take corrective actions to eliminate the cause of blade binding.

16. When restarting a saw in the workpiece, center the saw blade in the kerf and check that teeth are not engaged into the material. If saw blade is binding, it may walk up or KICKBACK from the workpiece as the saw is restarted.

17. Support large panels to minimize the risk of blade pinching and KICKBACK. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.

18. Do not use dull or damaged blade. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding, and KICKBACK.

19. Blade depth and bevel adjusting locking levers must be tight and secure before making cut. If blade adjustment shifts while cutting, it will cause binding and KICKBACK.

20. Use extra caution when making a "Pocket Cut" into existing walls or other blind areas. The protruding blade may cut objects that can cause KICKBACK.

21. Some wood contains preservatives which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials. Request, and follow, all safety information available from your material supplier.

⚠WARNING Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operating instructions before using this tool. When using power tools, basic safety precautions should always be followed to reduce the risk of personal injury. For additional information visit our website **www.porter-cable.com.**

Additional Information regarding the safe and proper operation of power tools (i.e. a safety video) is available from the Power Tool Institute, 1300 Sumner Avenue, Cleveland, OH 44115-2851 (www.powertoolinstitute.com). Additional Information is also available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201, the American National Standards Institute ANSI 01.1Safety Requirements for Woodworking Machines, and the U.S. Department of Labor regulations.

⚠WARNING There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application, **DO NOT** use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager
Porter-Cable Corporation
4825 Highway 45 North
Jackson, TN 38305

SYMBOL		DEFINITION
V	.....	volts
A	.....	amperes
Hz	.....	hertz
W	.....	watts
kW	.....	kilowatts
µF	.....	microfarads
l	.....	liters
kg	.....	kilograms
N/cm^2	.....	newtons per square centimeter
Pa	.....	pascals
h	.....	hours
min	.....	minutes
s	.....	seconds
	.....	alternating current
3	.....	three-phase alternating current
3_N	.....	three-phase alternating current with neutral
	.....	direct current
n_0	.....	no load speed
	.....	alternating or direct current
	.....	Class II Construction
	.....	splash-proof construction
	.....	watertight construction
…/min	.....	revolutions or reciprocation per minute

REPLACEMENT PARTS

When servicing use only identical replacement parts.

MOTOR

Many Porter-Cable tools will operate on either D.C., or single phase 25 to 60 cycle A.C. current and voltage within plus or minus 5 percent of that shown on the specification plate on the tool. Several models, however, are designed for A.C. current only. Refer to the specification plate on your tool for proper voltage and current rating.

CAUTION Do not operate your tool on a current on which the voltage is not within correct limits. Do not operate tools rated A.C. only on D.C. current. To do so may seriously damage the tool.

EXTENSION CORD SELECTION

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found in this section. This table is based on limiting line voltage drop to 5 volts (10 volts for 230 volts) at 150% of rated amperes.

If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.

RECOMMENDED EXTENSION CORD SIZES FOR USE WITH PORTABLE ELECTRIC TOOLS

		Length of Cord in Feet								
	115V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.
	230V	50 Ft.	100 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.	600 Ft.	800 Ft.	1000 Ft.
Nameplate Ampere Rating	0-2	18	18	18	16	16	14	14	12	12
	2-3	18	18	16	14	14	12	12	10	10
	3-4	18	18	16	14	12	12	10	10	8
	4-5	18	18	14	12	12	10	10	8	8
	5-6	18	16	14	12	10	10	8	8	6
	6-8	18	16	12	10	10	8	6	6	6
	8-10	18	14	12	10	8	8	6	6	4
	10-12	16	14	10	8	8	6	6	4	4
	12-14	16	12	10	8	6	6	6	4	2
	14-16	16	12	10	8	6	6	4	4	2
	16-18	14	12	8	8	6	4	4	2	2
	18-20	14	12	8	6	6	4	4	2	2

FUNCTIONAL DESCRIPTION

FOREWORD

Your Porter-Cable circular saw is designed for use with 7-1/4" diameter blades that have a 5/8" diameter bore. Blades must be rated for 6000 RPM operation (or higher).

A mounting flange kit for diamond-hole blades is available. This kit adapts the saw for use with 7-1/4" diameter blades that have a diamond-shaped mounting hole.

BLADE BRAKE (Model 325MAG only)

Model 325MAG is equipped with an electric blade brake that energizes automatically when the trigger switch is released.

ASSEMBLY

REMOVING THE BLADE

⚠WARNING **DISCONNECT TOOL FROM POWER SOURCE.**

⚠WARNING **DO NOT USE** the Quick Change™ blade clamp with any product other than specified Porter-Cable tools 324MAG and 325MAG.

⚠CAUTION **Avoid contact with the blade teeth to prevent personal injury.**

⚠CAUTION This tool is equipped with a Quik-Change™ blade clamp and is designed to be tightened hand-tight only. The use of external tools may cause damage to the blade clamp.

1. Push in the arbor lock button (A) Fig. 1 and rotate the blade by hand until the lock engages the blade arbor.

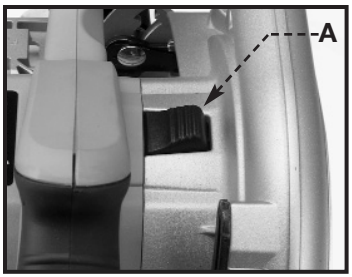

Fig. 1

Fig. 2

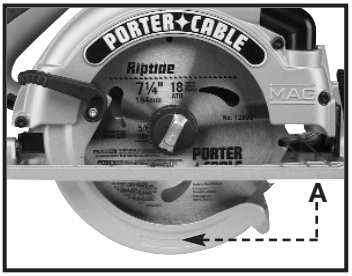

Fig. 3

2. While pressing the arbor lock button, extend the lever on the Quik-Change blade clamp (A) Fig. 2 and turn it counter-clockwise.
3. Remove the Quik-Change blade clamp, release the arbor lock button, and remove the outer blade flange.
4. Retract the telescoping guard (A) Fig. 3 and remove the blade.

NOTE: DO NOT use wet lubricants on the Quik-Change blade clamp.

⚠CAUTION Verify that the Quick Change blade clamp lever is tight, and quickly returns to its closed position before connecting the tool to the power source. If it doesn't return, clear the debris from the clamp. Visually inspect the blade clamp lever regularly to ensure that it is not extended during use.

INSTALLING THE BLADE

⚠WARNING **DISCONNECT TOOL FROM POWER SOURCE.**

⚠CAUTION **Avoid contact with the blade teeth to prevent personal injury.**

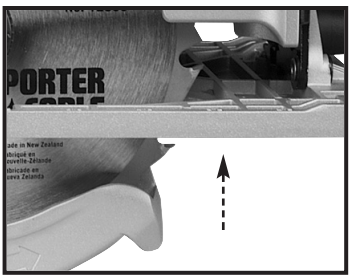

Fig. 4

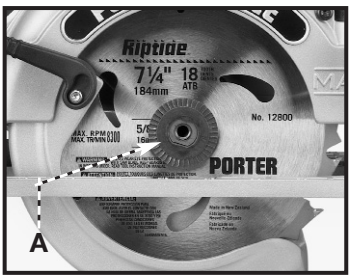

Fig. 5

1. Remove any accumulated sawdust or other contaminates from the guards, from around the arbor, and from the blade clamp. Check the telescoping guard to ensure that it is in working order.
2. Clean the inner blade flange, retract the telescoping guard, and place the new blade on the arbor. Verify that the teeth point up at the front of the saw (Fig. 4).
3. Place the outer blade flange (A) Fig. 5 on the arbor with the smooth side against the blade. Mate the flats with those on the arbor.
4. Replace the Quik-Change blade clamp (A) Fig. 2 finger tight by turning it clockwise. Push in the arbor lock button (A) Fig.1, extend the lever on the Quik-Change blade clamp (A) Fig. 2, and hand-tighten the assembly securely. Release the arbor lock.

TELESCOPING GUARD

The telescoping guard (A) Fig. 3 is a safety device important to your protection. Every time you use the saw, verify that the telescoping guard rotates freely and returns quickly and completely to its closed position. At least once a month, remove any accumulated debris (sawdust, pitch, etc.) from the area around the hub (B) of the telescoping guard. **DO NOT LUBRICATE THIS AREA.** The hub has a dry film lubricated surface that does not need oiling. **DO NOT** block or wedge the telescoping guard in the open position.

⚠WARNING **DO NOT** use your saw if the telescoping guard is not in working order. If telescoping guard movement is sluggish or binding exists, return the saw to your nearest AUTHORIZED PORTER-CABLE SERVICE STATION or PORTER-CABLE SERVICE CENTER for repair.

TO ADJUST DEPTH OF CUT FOR NORMAL CUTTING

Adjust the depth of cut so that the saw blade barely protrudes through the thickness of the workpiece. To adjust:

⚠WARNING **DISCONNECT TOOL FROM POWER SOURCE.**

1. Lift the depth adjustment locking lever (A) Fig. 6, located at the rear of the saw.
2. Raise or lower the saw housing to the correct level.
   NOTE: The upper guard (B) Fig. 6 is marked in 1/4" increments for convenience in setting the depth of cut. Align the depth segment mark (C) Fig. 6 with the desired depth marking on the guard.
3. Press the depth-adjusting locking lever down firmly to lock the saw in the selected position.

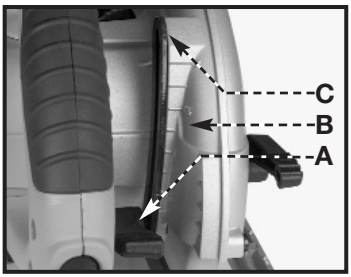

Fig. 6

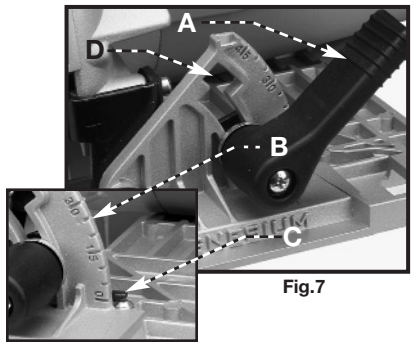

Fig.7

TO ADJUST FOR BEVEL CUTS

⚠WARNING **DISCONNECT TOOL FROM POWER SOURCE.**

1. Loosen the bevel adjusting lever (A) Fig. 7.
2. Tilt the saw base until the desired graduation line on the bevel segment (B) Fig. 7 aligns with the indicator (C) Fig. 7 on the bracket.
3. Tighten the bevel adjusting lever firmly.
4. For bevel cuts greater than 45°, set the guide on the 45° mark. Lift the bevel adjusting lever into the slot (D) Fig. 7 and move the saw base to the greater angle. Tighten the bevel adjusting lever firmly.

0° POSITIVE STOP

The saw is equipped with an adjustable positive stop at 0°. Check the accuracy of this stop periodically. To adjust:

⚠WARNING **DISCONNECT TOOL FROM POWER SOURCE.**

1. Loosen the bevel adjustment lever (A) Fig. 8, and position the base for a 0° cut. Confirm that the bevel-stop sleeve (B) Fig. 8 is against the 0° stop screw (C).
2. Turn the saw upside down, retract the telescoping guard, and check to see that the blade is square (Fig. 9).
3. To adjust, loosen the bevel adjustment knob (A) Fig. 8. While keeping the bevel stop sleeve (B) Fig. 8 in contact with the stop screw (C) Fig. 8, use a screwdriver to turn the adjusting screw (A) Fig. 10 until the blade is square.

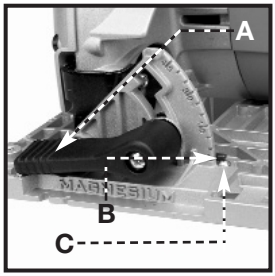

Fig. 8

Fig.9

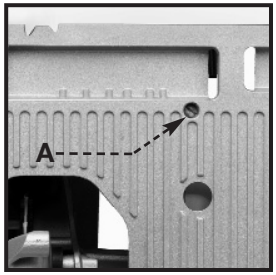

Fig. 10

LINE-OF-CUT INDICATOR

Line-of-cut indicator slots (A) Fig. 11 are provided at the front of the saw base. The right slot is used to follow a line when making a 0° cut. The left slot is used to follow a line when making a 45° cut. The straight side of the notch indicates the cut line.

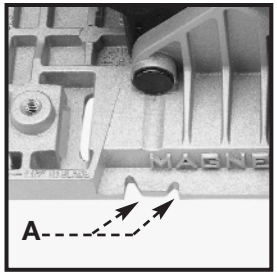

Fig. 11

USING SAWDUST EXHAUST NOZZLE

The sawdust exhaust nozzle in the closed position (Fig. 12) directs the sawdust to the rear of the saw. The sawdust exhaust nozzle pointing forward (Fig. 13) directs the sawdust to the front. To change the position of the nozzle, push down on the top of the nozzle and turn the nozzle to the new position. An accessory vacuum hose assembly is available for connecting the sawdust exhaust nozzle in the forward position directly to a shop type vacuum cleaner.

⚠WARNING **DO NOT** direct sawdust toward yourself or others. To avoid injury from flying sawdust, keep the exhaust nozzle either in the forward position or in the closed position. **DO NOT** insert foreign objects into the exhaust opening.

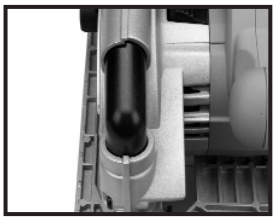
Fig. 12

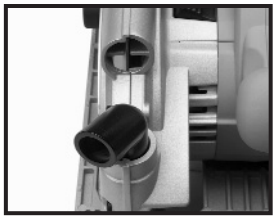
Fig.13

INSTALLING THE OPTIONAL RIP GUIDE

1. Insert the rip guide (A) Fig. 14 through the slots (B). Slide the guide in until it extends through the both slots in the sawbase.
2. Place the compression spring on the thumb screw (C) Fig. 14 (supplied with the rip guide), and thread into the hole in the saw base. **DO NOT TIGHTEN.**
3. Adjust the rip guide for the desired width of cut and tighten the thumb screw.

⚠CAUTION To avoid personal injury and damage to workpiece, extend the rip guide through both slots in the base.

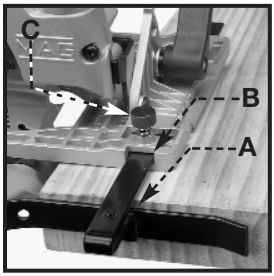

Fig.14

Fig.15

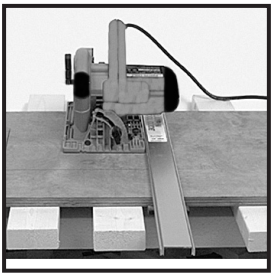
Fig. 16

HOW TO USE THE SAW

⚠WARNING **DO NOT** use your saw if the telescoping guard is not working. If the telescoping guard binds or is sluggish, return the saw to your nearest **AUTHORIZED PORTER-CABLE SERVICE STATION** or **PORTER-CABLE SERVICE CENTER** for repair.

⚠WARNING For your maximum protection, effective control of this powerful saw requires two-handed operation. Support the work properly and hold the saw firmly to prevent loss of control which could cause injury. See Fig. 15 for the proper way to hold the tool.

⚠WARNING Keep the cord away from cutting area to prevent electric shock.

⚠WARNING **GUARD AGAINST KICKBACK.**

Kickback is a sudden reaction to a pinched, bound, or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator. Keep your body to the side of the saw.

⚠WARNING Stay alert and maintain a firm grip on the saw. Release the switch immediately if the blade binds or the saw stalls. Keep your blade sharp. Support the panels (Fig. 16). Use a fence or a straight edge guide when ripping. **DO NOT** force the tool. **DO NOT** remove the saw from the workpiece while the blade is moving.

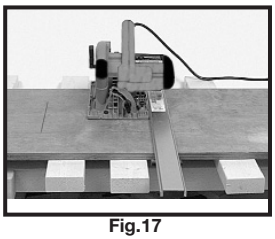

Fig.17

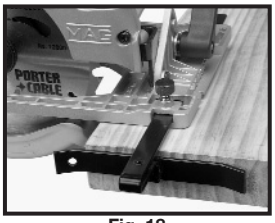

Fig. 18

CROSS-CUTTING

Cutting directly across the grain of a piece of lumber is called crosscutting. Position the work so that the cut will be on the left.

RIPPING

Cutting wood lengthwise is referred to as ripping. This operation is performed in the same manner as crosscutting with the exception of supporting the workpiece. If the workpiece is supported on a large table, bench, or floor, place several pieces of scrap stock approximately one inch thick beneath the workpiece to allow clearance for the portion of the saw blade that extends through the material (Fig. 17). When using saw horses, place 2 x 4's lengthwise between the horses and the large sheets of paneling or thin plywood to prevent the workpiece from sagging in the center.

For narrow rip cuts, use the rip guide (available as an accessory). Guide the saw by keeping the inner face of the rip guide (Fig. 18) tight against the edge of the board.

For making wider cuts (plywood and wide sheets), tack or clamp a wooden guide strip to guide the left edge of the saw base (Fig. 17).

NOTE: Adjust the depth of cut to allow for the thickness of the wooden guide strip.

Fig. 19

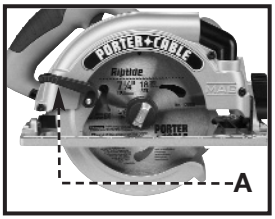

Fig. 20

BEVEL CUTTING

Bevel cuts are made in the same manner as crosscuts and rip cuts. The difference is that the blade is set at an angle between 0° and 45° (Fig. 19).

The bevel cut made at an angle to the edge of a board is called a compound cut. Certain compound cuts may require you to manually retract the telescoping guard to allow the blade to enter into and/or through the cut.

⚠WARNING Use the lever (A) Fig. 20 provided on the telescoping guard when you have to retract the telescoping guard manually.

POCKET CUTS (PLUNGE CUTTING)

A pocket cut is one which must be made inside the area of the workpiece and not starting from the edge. Mark the area clearly with lines on all sides. Start near the corner of one side and place the front edge of the saw base firmly on the workpiece. Hold the saw up so that the blade clears the material. Confirm that you have adjusted the blade properly for the depth of cut. Push the telescoping guard lever all the way back so the blade is exposed (Fig. 21).

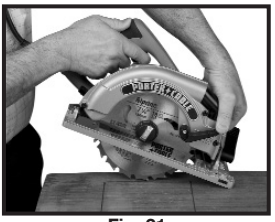

Fig. 21

⚠CAUTION Keep your hands and fingers away from the blade.

Start the motor and lower the blade into the work. After the blade has cut through, and the base rests flat on the work, follow the line to the corner.

⚠CAUTION Let the saw come to a complete stop before removing it from the workpiece.

Use a keyhole or bayonet saw to cut clean corners.

MAINTENANCE

KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

⚠WARNING Wear ANSI Z87.1 safety glasses while using compressed air.

FAILURE TO START

Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

LUBRICATION

This tool has been lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. No further lubrication is necessary.

BRUSH INSPECTION AND LUBRICATION

For your continued safety and electrical protection, brush inspection and replacement on this tool should ONLY be performed by an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE·DELTA FACTORY SERVICE CENTER.

At approximately 100 hours of use, take or send your tool to your nearest authorized Porter-Cable Service Station to be thoroughly cleaned and inspected. Have worn parts replaced and lubricate with fresh lubricant. Have new brushes installed, and test the tool for performance.

Any loss of power before the above maintenance check may indicate the need for immediate servicing of your tool. DO NOT CONTINUE TO OPERATE TOOL UNDER THIS CONDITION. If proper operating voltage is present, return your tool to the service station for immediate service.

SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE•DELTA FACTORY SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

ACCESSORIES

A complete line of accessories is available from your Porter-Cable• Delta Supplier, Porter-Cable•Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site **www.porter-cable.com** for a catalog or for the name of your nearest supplier.

⚠WARNING Since accessories other than those offered by Porter-Cable ·Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable·Delta recommended accessories should be used with this product.

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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Fax: (909) 390-5554

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Fax: (858) 277-9696

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Fax: (704) 708-4625

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